

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Samuel H. Reichgott et al.
Filed: Herewith
Title: METHOD AND APPARATUS FOR CONTROLLING A SMART ANTENNA USING
METRICS DERIVED FROM A SINGLE CARRIER DIGITAL SIGNAL
TC/A.U.: To Be Assigned
Examiner: To Be Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

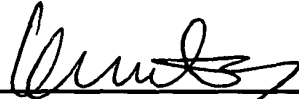
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of each of the listed non-U.S. cited references are also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Kenneth N. Nigon, Reg. No. 31,549
Attorney(s) for Applicant(s)

KNN/tmb

Enclosures: PTO Form 1449
(6) References

Dated: September 15, 2003

P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

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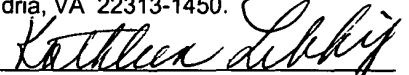
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Kathleen Lobby

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SHEET 1 of 2

Complete if Known

Application Number

To Be Assigned

Filing Date

Herewith

First Named Inventor

Samuel H. Reichgott et al.

Art Unit

To Be Assigned

Examiner Name _____

To Be Assigned

Attorney Docket No.

SDC-103US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND T : Commissioner for Patents, P. . Box 1450, Alexandria, VA 22313-1450.**

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Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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SHEET 2 of 2

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Samuel H. Reichgott
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	SDC-103US

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		MONISHA GHOSH, Blind Decision Feedback Equalization for Terrestrial Television Receivers, Proceedings of the IEEE, Vol. 86, No. 10, October 1998, pp. 2070-2081.	<input type="checkbox"/>
		WILLIAM F. GABRIEL, Adaptive Processing Array Systems, Proceedings of the IEEE, Vol. 80, No. 1, January 1992, pp. 152-162.	<input type="checkbox"/>
		H. LIU et al., Blind Equalization in Antenna Array CDMA Systems, IEEE Transactions on Signal Processing, Vol. 45, No. 1, January 1997, pp. 161-172.	<input type="checkbox"/>
		H. KRIM et al., Two Decades of Array Signal Processing Research, IEEE Signal Processing Magazine, July 1996, pp. 67-94.	<input type="checkbox"/>
		R. KOHNO et al., Spatial and Temporal Communication Theory Using Adaptive Antenna Array, IEEE Personal Communications, Vol. 5, No. 1, February 1998, pp. 28-35.	<input type="checkbox"/>
		B. WIDROW et al., Adaptive Antenna Systems, Proceedings of the IEEE, Vol. 55, No. 12, December 1967, pp. 2143-2159.	<input type="checkbox"/>
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